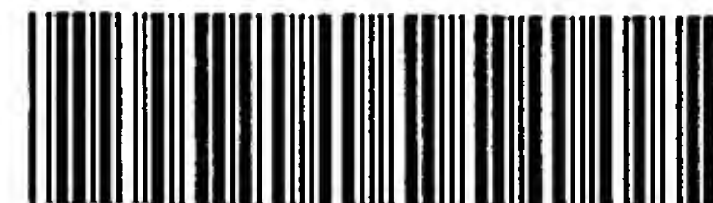


## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/560, 069  
Source: IFWP  
Date Processed by STIC: 01/04/2006

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 01/04/2006

PATENT APPLICATION: US/10/560,069

TIME: 10:43:53

Input Set : N:\RJAVED\10560069.txt

Output Set: N:\CRF4\01042006\J560069.raw

3 <110> APPLICANT: KENT, Stephen J.

5 <120> TITLE OF INVENTION: Immunomodulating compositions, uses therefor and processes  
for their

6 production

8 <130> FILE REFERENCE: 21415-0021.01-US

C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/560,069

C--> 11 <141> CURRENT FILING DATE: 2005-12-09

13 <150> PRIOR APPLICATION NUMBER: PCT/AU2004/000775

14 <151> PRIOR FILING DATE: 2004-06-10

16 <150> PRIOR APPLICATION NUMBER: 2003902875

17 <151> PRIOR FILING DATE: 2003-06-10

19 <150> PRIOR APPLICATION NUMBER: 2004901589

20 <151> PRIOR FILING DATE: 2004-03-25

22 <160> NUMBER OF SEQ ID NOS: 2232

24 <170> SOFTWARE: PatentIn version 3.2

26 <210> SEQ ID NO: 1

27 <211> LENGTH: 15

28 <212> TYPE: PRT

29 <213> ORGANISM: Artificial

31 <220> FEATURE:

32 <223> OTHER INFORMATION: SIV gag peptide 1

34 <400> SEQUENCE: 1

36 Met Gly Val Arg Asn Ser Val Leu Ser Gly Lys Lys Ala Asp Glu

37 1 5 10 15

40 <210> SEQ ID NO: 2

41 <211> LENGTH: 15

42 <212> TYPE: PRT

43 <213> ORGANISM: Artificial

45 <220> FEATURE:

46 <223> OTHER INFORMATION: SIV gag peptide 2

48 <400> SEQUENCE: 2

50 Asn Ser Val Leu Ser Gly Lys Lys Ala Asp Glu Leu Glu Lys Ile

51 1 5 10 15

54 <210> SEQ ID NO: 3

55 <211> LENGTH: 15

56 <212> TYPE: PRT

57 <213> ORGANISM: Artificial

59 <220> FEATURE:

60 <223> OTHER INFORMATION: SIV gag peptide 3

62 <400> SEQUENCE: 3

64 Ser Gly Lys Lys Ala Asp Glu Leu Glu Lys Ile Arg Leu Arg Pro

65 1 5 10 15

68 <210> SEQ ID NO: 4

69 <211> LENGTH: 15

## RAW SEQUENCE LISTING

DATE: 01/04/2006

PATENT APPLICATION: US/10/560,069

TIME: 10:43:53

Input Set : N:\RJAVED\10560069.txt

Output Set: N:\CRF4\01042006\J560069.raw

```

70 <212> TYPE: PRT
71 <213> ORGANISM: Artificial
73 <220> FEATURE:
74 <223> OTHER INFORMATION: SIV gag peptide 4
76 <400> SEQUENCE: 4
78 Ala Asp Glu Leu Glu Lys Ile Arg Leu Arg Pro Asn Gly Lys Lys
79 1          5          10          15
82 <210> SEQ ID NO: 5
83 <211> LENGTH: 15
84 <212> TYPE: PRT
85 <213> ORGANISM: Artificial
87 <220> FEATURE:
88 <223> OTHER INFORMATION: SIV gag peptide 5
90 <400> SEQUENCE: 5
92 Glu Lys Ile Arg Leu Arg Pro Asn Gly Lys Lys Lys Tyr Met Leu
93 1          5          10          15
96 <210> SEQ ID NO: 6
97 <211> LENGTH: 15
98 <212> TYPE: PRT
99 <213> ORGANISM: Artificial
101 <220> FEATURE:
102 <223> OTHER INFORMATION: SIV gag peptide 6
104 <400> SEQUENCE: 6
106 Leu Arg Pro Asn Gly Lys Lys Lys Tyr Met Leu Lys His Val Val
107 1          5          10          15
110 <210> SEQ ID NO: 7
111 <211> LENGTH: 15
112 <212> TYPE: PRT
113 <213> ORGANISM: Artificial
115 <220> FEATURE:
116 <223> OTHER INFORMATION: SIV gag peptide 7
118 <400> SEQUENCE: 7
120 Gly Lys Lys Lys Tyr Met Leu Lys His Val Val Trp Ala Ala Asn
121 1          5          10          15
124 <210> SEQ ID NO: 8
125 <211> LENGTH: 15
126 <212> TYPE: PRT
127 <213> ORGANISM: Artificial
129 <220> FEATURE:
130 <223> OTHER INFORMATION: SIV gag peptide 8
132 <400> SEQUENCE: 8
134 Tyr Met Leu Lys His Val Val Trp Ala Ala Asn Glu Leu Asp Arg
135 1          5          10          15
138 <210> SEQ ID NO: 9
139 <211> LENGTH: 15
140 <212> TYPE: PRT
141 <213> ORGANISM: Artificial
143 <220> FEATURE:
144 <223> OTHER INFORMATION: SIV gag peptide 9

```

## RAW SEQUENCE LISTING

DATE: 01/04/2006

PATENT APPLICATION: US/10/560,069

TIME: 10:43:53

Input Set : N:\RJAVED\10560069.txt

Output Set: N:\CRF4\01042006\J560069.raw

```

146 <400> SEQUENCE: 9
148 His Val Val Trp Ala Ala Asn Glu Leu Asp Arg Phe Gly Leu Ala
149 1          5          10          15
152 <210> SEQ ID NO: 10
153 <211> LENGTH: 15
154 <212> TYPE: PRT
155 <213> ORGANISM: Artificial
157 <220> FEATURE:
158 <223> OTHER INFORMATION: SIV gag peptide 10
160 <400> SEQUENCE: 10
162 Ala Ala Asn Glu Leu Asp Arg Phe Gly Leu Ala Glu Ser Leu Leu
163 1          5          10          15
166 <210> SEQ ID NO: 11
167 <211> LENGTH: 15
168 <212> TYPE: PRT
169 <213> ORGANISM: Artificial
171 <220> FEATURE:
172 <223> OTHER INFORMATION: SIV gag peptide 11
174 <400> SEQUENCE: 11
176 Leu Asp Arg Phe Gly Leu Ala Glu Ser Leu Leu Glu Asn Lys Glu
177 1          5          10          15
180 <210> SEQ ID NO: 12
181 <211> LENGTH: 15
182 <212> TYPE: PRT
183 <213> ORGANISM: Artificial
185 <220> FEATURE:
186 <223> OTHER INFORMATION: SIV gag peptide 12
188 <400> SEQUENCE: 12
190 Gly Leu Ala Glu Ser Leu Leu Glu Asn Lys Glu Gly Cys Gln Lys
191 1          5          10          15
194 <210> SEQ ID NO: 13
195 <211> LENGTH: 15
196 <212> TYPE: PRT
197 <213> ORGANISM: Artificial
199 <220> FEATURE:
200 <223> OTHER INFORMATION: SIV gag peptide 13
202 <400> SEQUENCE: 13
204 Ser Leu Leu Glu Asn Lys Glu Gly Cys Gln Lys Ile Leu Ser Val
205 1          5          10          15
208 <210> SEQ ID NO: 14
209 <211> LENGTH: 15
210 <212> TYPE: PRT
211 <213> ORGANISM: Artificial
213 <220> FEATURE:
214 <223> OTHER INFORMATION: SIV gag peptide 14
216 <400> SEQUENCE: 14
218 Asn Lys Glu Gly Cys Gln Lys Ile Leu Ser Val Leu Ala Pro Leu
219 1          5          10          15
222 <210> SEQ ID NO: 15

```

## RAW SEQUENCE LISTING

DATE: 01/04/2006

PATENT APPLICATION: US/10/560,069

TIME: 10:43:53

Input Set : N:\RJAVED\10560069.txt

Output Set: N:\CRF4\01042006\J560069.raw

223 <211> LENGTH: 15  
 224 <212> TYPE: PRT  
 225 <213> ORGANISM: Artificial  
 227 <220> FEATURE:  
 228 <223> OTHER INFORMATION: SIV gag peptide 15  
 230 <400> SEQUENCE: 15  
 232 Cys Gln Lys Ile Leu Ser Val Leu Ala Pro Leu Val Pro Thr Gly  
 233 1 5 10 15  
 236 <210> SEQ ID NO: 16  
 237 <211> LENGTH: 15  
 238 <212> TYPE: PRT  
 239 <213> ORGANISM: Artificial  
 241 <220> FEATURE:  
 242 <223> OTHER INFORMATION: SIV gag peptide 16  
 244 <400> SEQUENCE: 16  
 246 Leu Ser Val Leu Ala Pro Leu Val Pro Thr Gly Ser Glu Asn Leu  
 247 1 5 10 15  
 250 <210> SEQ ID NO: 17  
 251 <211> LENGTH: 15  
 252 <212> TYPE: PRT  
 253 <213> ORGANISM: Artificial  
 255 <220> FEATURE:  
 256 <223> OTHER INFORMATION: SIV gag peptide 17  
 258 <400> SEQUENCE: 17  
 260 Leu Ser Val Leu Ala Pro Leu Val Pro Thr Gly Ser Glu Asn Leu  
 261 1 5 10 15  
 264 <210> SEQ ID NO: 18  
 265 <211> LENGTH: 15  
 266 <212> TYPE: PRT  
 267 <213> ORGANISM: Artificial  
 269 <220> FEATURE:  
 270 <223> OTHER INFORMATION: SIV gag peptide 18  
 272 <400> SEQUENCE: 18  
 274 Pro Thr Gly Ser Glu Asn Leu Lys Ser Leu Tyr Asn Thr Val Cys  
 275 1 5 10 15  
 278 <210> SEQ ID NO: 19  
 279 <211> LENGTH: 15  
 280 <212> TYPE: PRT  
 281 <213> ORGANISM: Artificial  
 283 <220> FEATURE:  
 284 <223> OTHER INFORMATION: SIV gag peptide 19  
 286 <400> SEQUENCE: 19  
 288 Glu Asn Leu Lys Ser Leu Tyr Asn Thr Val Cys Val Ile Trp Cys  
 289 1 5 10 15  
 292 <210> SEQ ID NO: 20  
 293 <211> LENGTH: 15  
 294 <212> TYPE: PRT  
 295 <213> ORGANISM: Artificial  
 297 <220> FEATURE:

## RAW SEQUENCE LISTING

DATE: 01/04/2006

PATENT APPLICATION: US/10/560,069

TIME: 10:43:53

Input Set : N:\RJAVED\10560069.txt

Output Set: N:\CRF4\01042006\J560069.raw

298 <223> OTHER INFORMATION: SIV gag peptide 20  
 300 <400> SEQUENCE: 20  
 302 Ser Leu Tyr Asn Thr Val Cys Val Ile Trp Cys Ile His Ala Glu  
 303 1 5 10 15  
 306 <210> SEQ ID NO: 21  
 307 <211> LENGTH: 15  
 308 <212> TYPE: PRT  
 309 <213> ORGANISM: Artificial  
 311 <220> FEATURE:  
 312 <223> OTHER INFORMATION: SIV gag peptide 21  
 314 <400> SEQUENCE: 21  
 316 Thr Val Cys Val Ile Trp Cys Ile His Ala Glu Glu Lys Val Lys  
 317 1 5 10 15  
 320 <210> SEQ ID NO: 22  
 321 <211> LENGTH: 15  
 322 <212> TYPE: PRT  
 323 <213> ORGANISM: Artificial  
 325 <220> FEATURE:  
 326 <223> OTHER INFORMATION: SIV gag peptide 22  
 328 <400> SEQUENCE: 22  
 330 Ile Trp Cys Ile His Ala Glu Glu Lys Val Lys His Thr Glu Glu  
 331 1 5 10 15  
 334 <210> SEQ ID NO: 23  
 335 <211> LENGTH: 15  
 336 <212> TYPE: PRT  
 337 <213> ORGANISM: Artificial  
 339 <220> FEATURE:  
 340 <223> OTHER INFORMATION: SIV gag peptide 23  
 342 <400> SEQUENCE: 23  
 344 His Ala Glu Glu Lys Val Lys His Thr Glu Glu Ala Lys Gln Ile  
 345 1 5 10 15  
 348 <210> SEQ ID NO: 24  
 349 <211> LENGTH: 15  
 350 <212> TYPE: PRT  
 351 <213> ORGANISM: Artificial  
 353 <220> FEATURE:  
 354 <223> OTHER INFORMATION: SIV gag peptide 24  
 356 <400> SEQUENCE: 24  
 358 Lys Val Lys His Thr Glu Glu Ala Lys Gln Ile Val Gln Arg His  
 359 1 5 10 15  
 362 <210> SEQ ID NO: 25  
 363 <211> LENGTH: 15  
 364 <212> TYPE: PRT  
 365 <213> ORGANISM: Artificial  
 367 <220> FEATURE:  
 368 <223> OTHER INFORMATION: SIV gag peptide 25  
 370 <400> SEQUENCE: 25  
 372 Thr Glu Glu Ala Lys Gln Ile Val Gln Arg His Leu Val Val Glu  
 373 1 5 10 15

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/560,069

DATE: 01/04/2006  
TIME: 10:43:54

Input Set : N:\RJAVED\10560069.txt  
Output Set: N:\CRF4\01042006\J560069.raw

**Invalid <213> Response:**

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27  
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51  
Seq#:52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75  
Seq#:76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99  
Seq#:100,101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117  
Seq#:118,119,120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135  
Seq#:136,137,138,139,140,141,142,143,144,145,146,147,148,149,150,151,152,153  
Seq#:154,155,156,157,158,159,160,161,162,163,164,165,166,167,168,169,170,171  
Seq#:172,173,174,175,176,177,178,179,180,181,182,183,184,185,186,187,188,189  
Seq#:190,191,192,193,194,195,196,197,198,199,200,201,202,203,204,205,206,207  
Seq#:208,209,210,211,212,213,214,215,216,217,218,219,220,221,222,223,224,225  
Seq#:226,227,228,229,230,231,232,233,234,235,236,237,238,239,240,241,242,243  
Seq#:244,245,246,247,248,249,250,251,252,253,254,255,256,257,258,259,260,261  
Seq#:262,263,264,265,266,267,268,269,270,271,272,273,274,275,276,277,278,279  
Seq#:280,281,282,283,284,285,286,287,288,289,290,291,292,293,294,295,296,297  
Seq#:298,299,300,301,302,303,304,305,306,307,308,309,310,311,312,313,314,315  
Seq#:316,317,318,319,320,321,322,323,324,325,326,327,328,329,330,331,332,333  
Seq#:334,335,336,337,338,339,340,341,342,343,344,345,346,347,348,349,350,351  
Seq#:352,353,354,355,356,357,358,359,360,361,362,363,364,365,366,367,368,369  
Seq#:370,371,372,373,374,375,376,377,378,379,380,381,382,383,384,385,386,387  
Seq#:388,389,390,391,392,393,394,395,396,397,398,399,400,401,402,403,404,405  
Seq#:406,407,408,409,410,411,412,413,414,415,416,417,418,419,420,421,422,423  
Seq#:424,425,426,427,428,429,430,431,432,433,434,435,436,437,438,439,440,441  
Seq#:442,443,444,445,446,447,448,449,450,451,452,453,454,455,456,457,458,459  
Seq#:460,461,462,463,464,465,466,467,468,469,470,471,472,473,474,475,476,477  
Seq#:478,479,480,481,482,483,484,485,486,487,488,489,490,491,492,493,494,495  
Seq#:496,497,498,499,500,501,502,503,504,505,506,507,508,509,510,511,512,513  
Seq#:514,515,516,517,518,519,520,521,522,523,524,525,526,527,528,529,530,531  
Seq#:532,533,534,535,536,537,538,539,540,541,542,543,544,545,546,547,548,549  
Seq#:550,551,552,553,554,555,556,557,558,559,560,561,562,563,564,565,566,567  
Seq#:568,569,570,571,572,573,574,575,576,577,578,579,580,581,582,583,584,585  
Seq#:586,587,588,589,590,591,592,593,594,595,596,597,598,599,600,601,602,603  
Seq#:604,605,606,607,608,609,610,611,612,613,614,615,616,617,618,619,620,621  
Seq#:622,623,624,625,626,627,628,629,630,631,632,633,634,635,636,637,638,639  
Seq#:640,641,642,643,644,645,646,647,648,649,650,651,652,653,654,655,656,657  
Seq#:658,659,660,661,662,663,664,665,666,667,668,669,670,671,672,673,674,675  
Seq#:676,677,678,679,680,681,682,683,684,685,686,687,688,689,690,691,692,693  
Seq#:694,695,696,697,698,699,700,701,702,703,704,705,706,707,708,709,710,711  
Seq#:712,713,714,715,716,717,718,719,720,721,722,723,724,725,726,727,728,729  
Seq#:730,731,732,733,734,735,736,737,738,739,740,741,742,743,744,745,746,747  
Seq#:748,749,750,751,752,753,754,755,756,757,758,759,760,761,762,763,764,765  
Seq#:766,767,768,769,770,771,772,773,774,775,776,777,778,779,780,781,782,783  
Seq#:784,785,786,787,788,789,790,791,792,793,794,795,796,797,798,799,800,801  
Seq#:802,803,804,805,806,807,808,809,810,811,812,813,814,815,816,817,818,819  
Seq#:820,821,822,823,824,825,826,827,828,829,830,831,832,833,834,835,836,837



RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/560,069

DATE: 01/04/2006  
TIME: 10:43:54

Input Set : N:\RJAVED\10560069.txt  
Output Set: N:\CRF4\01042006\J560069.raw

Seq#:838,839,840,841,842,843,844,845,846,847,848,849,850,851,852,853,854,855  
Seq#:856,857,858,859,860,861,862,863,864,865,866,867,868,869,870,871,872,873  
Seq#:874,875,876,877,878,879,880,881,882,883,884,885,886,887,888,889,890,891  
Seq#:892,893,894,895,896,897,898,899,900,901,902,903,904,905,906,907,908,909  
Seq#:910,911,912,913,914,915,916,917,918,919,920,921,922,923,924,925,926,927  
Seq#:928,929,930,931,932,933,934,935,936,937,938,939,940,941,942,943,944,945  
Seq#:946,947,948,949,950,951,952,953,954,955,956,957,958,959,960,961,962,963  
Seq#:964,965,966,967,968,969,970,971,972,973,974,975,976,977,978,979,980,981  
Seq#:982,983,984,985,986,987,988,989,990,991,992,993,994,995,996,997,998,999  
Seq#:1000,1001,1002,1003,1004,1005,1006,1007,1008,1009,1010,1011,1012,1013  
Seq#:1014,1015,1016,1017,1018,1019,1020,1021,1022,1023,1024,1025,1026,1027  
Seq#:1028,1029,1030,1031,1032,1033,1034,1035,1036,1037,1038,1039,1040,1041  
Seq#:1042,1043,1044,1045,1046,1047,1048,1049,1050,1051,1052,1053,1054,1055  
Seq#:1056,1057,1058,1059,1060,1061,1062,1063,1064,1065,1066,1067,1068,1069  
Seq#:1070,1071,1072,1073,1074,1075,1076,1077,1078,1079,1080,1081,1082,1083  
Seq#:1084,1085,1086,1087,1088,1089,1090,1091,1092,1093,1094,1095,1096,1097  
Seq#:1098,1099,1100,1101,1102,1103,1104,1105,1106,1107,1108,1109,1110,1111  
Seq#:1112,1113,1114,1115,1116,1117,1118,1119,1120,1121,1122,1123,1124,1125  
Seq#:1126,1127,1128,1129,1130,1131,1132,1133,1134,1135,1136,1137,1138,1139  
Seq#:1140,1141,1142,1143,1144,1145,1146,1147,1148,1149,1150,1151,1152,1153  
Seq#:1154,1155,1156,1157,1158,1159,1160,1161,1162,1163,1164,1165,1166,1167  
Seq#:1168,1169,1170,1171,1172,1173,1174,1175,1176,1177,1178,1179,2198,2199  
Seq#:2200,2201,2202,2203,2204,2205,2206,2207,2208,2209,2210,2211,2212,2213  
Seq#:2214,2215,2216,2217,2218,2220,2221,2222,2223,2224,2225,2226,2227,2228  
Seq#:2229,2230,2231,2232



VERIFICATION SUMMARY

DATE: 01/04/2006

PATENT APPLICATION: US/10/560,069

TIME: 10:43:54

Input Set : N:\RJAVED\10560069.txt

Output Set: N:\CRF4\01042006\J560069.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date